

## Meeting Minutes

[REROUTE – Group 16]

## Meeting Minutes

**Date:** [03/25/2025]

**Time:** [10:00 a.m.]

**Location:** [Brock Library ST 236 or via Virtual Platform, Discord]

**Facilitator/Chairperson:** [Travis]

**Note Taker:** [Andrew Pauls]

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## 1. Attendance

### Present:

- [Cole Corbett - Developer ]
  - [Tristan Arana Charlebois – Developer]
  - [Jordan Wallace - Developer]
  - [Turner Kassie – Scrum Master]
  - [Andrew Pauls – Product Owner]
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## 2. Agenda Overview

*(List key discussion topics in order of the agenda)*

1. [Meeting with Brendan]
  2. [Frontend Developments]
  3. [Middleware]
  4. [Moving Forward]
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## 3. Discussion & Key Points

### Topic 1: [Meeting with Brendan]

- **Summary:** [Andrew walked Brendan through the state of the system. Described how polylines for multiple drivers being drawn with a hardcoded route. Directions also generated from hardcoded locations. Indicated to Brendan middleware updated to accommodate for multi-TSP outputs. Not integrated in a working way with frontend yet. Backend complete and ready for work.

## Topic 2: [Frontend Developments]

- **Summary:** [MutliTSP features now built into Jordan's Directions git branch. Geolines for 2 hardcoded driver routes appearing in red and blue. They have markers changed to a different icon, which is marked in the color of the geoline. Both of the Direction steps are visible in side bar boxes. Inputs hardcoded are from Travis' sample output.txt file. ]

## Topic 3: [Middleware]

- **Summary:** [Cam worked on integrating the middleware changes by building the backend into a JAR, reconfiguring the queue to be consumed by the updated backend implementation, and updated the API route.tsx on the frontend to pass number of drivers as the value held in number of drivers field]
- **Action Items: [1] Cam:** Frontend still isn't receiving the two necessary additional fields the backend provides in its output. Frontend needs to be passed 'driver-ID' and 'location-ID' for each location, so it can handle a unique route. Something in the rabbitMQ parsing of the output needs to be fixed ASAP, because the backend is definitely sending the output we expect it to.

## Topic 4: [Moving Forward]

- **Summary:** We need to get the frontend receiving the correct backend outputs ASAP. Once we do, we still have to build out the features required for REROUTE (geoline, poly dir's, saving, reloading, etc) with dynamically built routes. We also need to get the middleware off of Cam's home cpu, a commercial server or designated VM on one of our machines that is secure would be ideal.
- **Decisions Made: [1]** Andrew and Jordan to continue preparing for middleware integration by building out route options, switching the default config's getting sent to backend about route options to the ones the user is actually indicating, planning how to display the polylines and directions for up to 10 drivers
  - [2] Cam to get the middleware passing the actual backend output
  - [3] Tristan to wait for (hopefully just a day or two) the frontend to be routing multiple drivers on geolines and directions, at which point he builds out saving reloading exporting
  - [4] Travis to begin documentation for final report
  - [5] We may have to move our presentation date to one of the later dates, we're looking a bit behind here

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## 5. Additional Notes / Other Business

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## 6. Next Meeting Details



**Date & Time:** [March 28, 2025 at 10:00]



**Location:** [Schmon Tower 5<sup>th</sup> floor study or via virtual link]



**Key Topics for Next Meeting:**

1. [Progress Made]
2. [What we do next]



**Meeting Adjourned at:** [11:05 a.m.]



**Minutes Prepared By:** [Andrew Pauls]